

Application No.	Applicant(s)	
10/646,059	SINGER ET AL.	
Examiner	Art Unit	
Patricia I Morris	1625	

CLASS SUBCLASS CLASS SUBCLASS SUBC								1 0		<u> IVIOI</u>	113	· · · · -		1023						
CLASS SUBCLASS S							11	2011		I A C	OIL	- A	FION	1		******				
CLASS SUBCLASS CLASS SUBCLASS SUBCLAS SUBCLASS SUBCL																				
			ORIG	INAL																
	CL/	uss		SUBCL	ASS		CLASS				S	UBCLAS	SS (ONE	SUBCLA	SS PE	R BLO	CK)			
Claims renumbered in the same order as presented by applicant CPA	54	16		273	.7															
Claims renumbered in the same order as presented by applicant CPA	INTE	RNATIC	NAL	CLASSIFI	CATION															
	200000000000000000000000000000000000000																			
	C 0	'	ا																	
				1																
Claims renumbered in the same order as presented by applicant CPA				ı	1															
Claims renumbered in the same order as presented by applicant CPA				,	,															
Claims renumbered in the same order as presented by applicant CPA					1															
Claims renumbered in the same order as presented by applicant CPA T.D. R.1.47 R.1.4																				
Claims renumbered in the same order as presented by applicant CPA T.D. R.1.47 R.1.4										一 。	4	11	/							
Claims renumbered in the same order as presented by applicant																Total Claims Allowed: 1				
Claims renumbered in the same order as presented by applicant		(Ass	stant	Examine	r) (C	Date)		1/	12	hugh	<i>*</i> :>	Wh	(301C	_						
Claims renumbered in the same order as presented by applicant	J y	,	.7) <u> </u>		1	1	(2	/Pai	"PAT	RIVE	LISAR	ALONG	5			O.G.			
Claims renumbered in the same order as presented by applicant		are	1 4	espe	٠ ،	2/16	カラ		/ D-	PR	MARY	EXA	Allaen	l *		Print	Ctaim(s)	Prin	t Fig.
Claims renumbered in the same order as presented by applicant	l (L	egal Iŋ	strum	nents Exa	miner)	(D	ate)		(Pri	шагу ЕХ	"GAC	XUP 12	(Mnate)	•			1			
The color of the		**********	000000000		MM000000000000000000000000000000000000			200000000000000000000000000000000000000			•				860 (66666		98898888888		88 300,000,000	
The color of the	\square	laims	ren	umbere	d in th	10 S2	ame ord	er as i	preser	ited by	/ appl	icant	Пс	PA		Пт	D.		ΠR	1.47
1 31 61 91 121 151 181 2 32 62 92 122 152 182 3 33 63 93 123 153 183 4 34 64 94 124 154 184 5 35 65 95 125 155 185 6 36 66 96 126 156 186 7 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 69 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133<		i i	1											1::						1
1 31 61 91 121 151 181 2 32 62 92 122 152 182 3 33 63 93 123 153 183 4 34 64 94 124 154 184 5 35 65 95 125 155 185 6 36 66 96 126 156 186 7 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 69 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133<	تق	Ē		<u> </u>	ji a		<u> </u>	i a		<u>a</u>	i a		al	ina		<u>la</u>	ina		व	ina
1 31 61 91 121 151 181 2 32 62 92 122 152 182 3 33 63 93 123 153 183 4 34 64 94 124 154 184 5 35 65 95 125 155 185 6 36 66 96 126 156 186 7 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 69 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133<	i==	jr.		遣	l iğ		ᇉ) Jig		這) rig		<u>i</u>)rig		ᇤ	rig		证	rig
2 32 62 92 122 152 182 3 4 34 64 94 124 154 184 5 35 65 95 125 155 185 6 36 66 96 126 156 186 7 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 69 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 144 44 74 104 134 164 194 15 45 75 1						4								:						
3 33 63 93 123 153 183 4 34 64 94 124 154 184 5 35 65 95 125 155 185 6 36 66 96 126 156 186 7 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 69 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105					<u> </u>	4			-	<u> </u>										
4 34 64 94 124 154 184 5 35 65 95 125 155 185 6 36 66 96 126 156 186 7 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 69 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 <t< td=""><td>-</td><td></td><td>.</td><td></td><td></td><td>-</td><td></td><td></td><td>-</td><td>ļ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>ļ</td><td></td></t<>	-		.			-			-	ļ									ļ	
5 35 65 95 125 155 186 6 36 66 96 126 156 186 7 8 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 69 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 <t< td=""><td></td><td></td><td>1</td><td></td><td></td><td>-</td><td></td><td></td><td>-</td><td><u> </u></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u> </u></td><td></td></t<>			1			-			-	<u> </u>									<u> </u>	
6 36 66 96 126 156 186 7 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 196 17 47 77 107 137 167 197 18 48 78 108			ł			-				<u> </u>									<u> </u>	
7 37 67 97 127 157 187 8 38 68 98 128 158 188 9 39 69 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110			1			1														
8 38 68 98 128 158 188 9 39 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170	-		1			1					1									
9 39 69 99 129 159 189 10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111			1			1					+			:					<u> </u>	
10 40 70 100 130 160 190 11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>1</td> <td></td> <td>+</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\vdash</td> <td></td>		_				1			1		+								\vdash	
11 41 71 101 131 161 191 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td><u> </u></td> <td>-</td>						1					-						-		<u> </u>	-
12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 <td></td> <td>11</td> <td>1</td> <td></td> <td>41</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>:</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		11	1		41	1								:						
13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 </td <td></td> <td>12</td> <td></td> <td></td> <td>42</td> <td>]</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>]</td> <td></td> <td>132</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		12			42]]		132						
15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 <td></td> <td></td> <td></td> <td></td> <td>43</td> <td>]</td> <td></td> <td>73</td> <td>]</td> <td></td> <td>103</td> <td>]</td> <td></td> <td>133</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					43]		73]		103]		133						
16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 <td></td> <td></td> <td> </td> <td></td> <td></td> <td>.</td> <td></td> <td></td> <td>ļ</td> <td></td>						.			ļ											
17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209						4														
18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209			ļ						.											
19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209	-		1			1	iii		1	<u> </u>										
20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209	-		1			1			1										<u> </u>	
21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209			1			1				<u> </u>	-									
22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209			1			1			1											
23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 176 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209						1													-	
24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209						1			1											
25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209			1			1			1											
26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209]														
27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209]		86												
28 58 88 118 148 178 208 29 59 89 119 149 179 209																				
<u>29</u> <u>59</u> <u>89</u> <u>119</u> <u>149</u> <u>179</u> <u>209</u>																				
																	179			
U.S. Patent and Trademark Office						<u> </u>		90			120			150			180			210